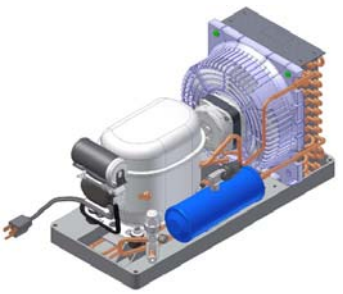
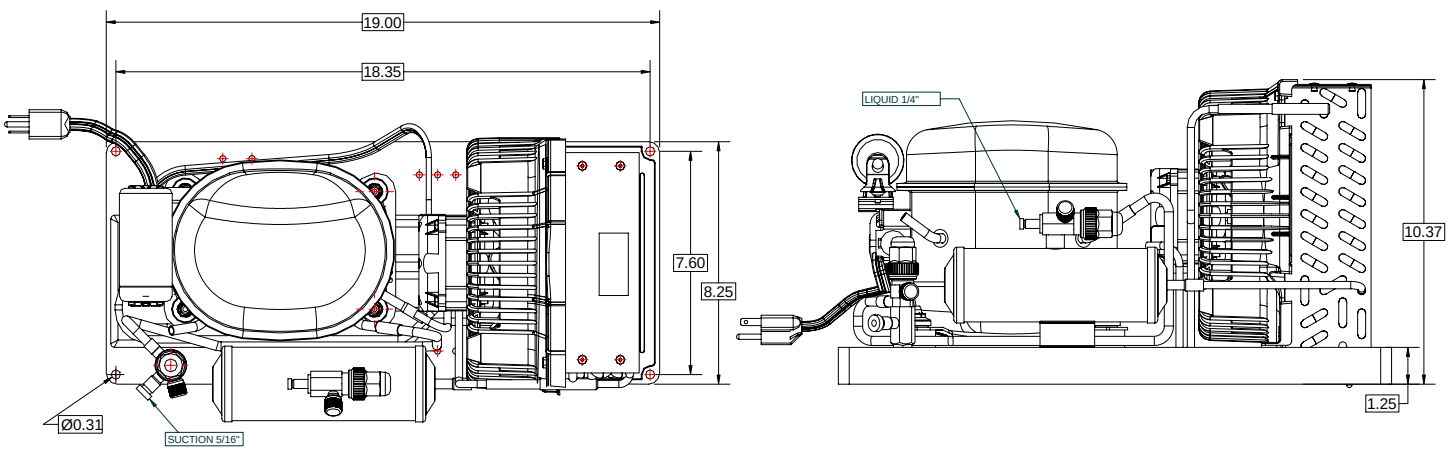
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AEA9415EXAGL, -K, -B, -C**
BOM	**33X441-2, -3, -4, -5**
Air Cooled	**1/5 HP**
Application	**Commercial Temp**
Refrigerant	**R22**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (kg)
AEA9415EXAGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	242	16	39.6 (18)
AEA9415EXAGK									
AEA9415EXAGB		9.7 (246)				1.76			40.2 (18.2)
AEA9415EXAGC				5/16 Valve Sweat	1/4 Valve Sweat	2.13			40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temeratures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	16.5	798	255	89	732	277	100	665	304	108			
-5	20.0	914	267	89	806	287	100	725	312	108			
0	24.0	1090	287	92	950	305	102	865	325	111			
5	28.2	1263	302	95	1145	321	104	1045	342	113			
10	32.8	1356	318	97	1216	334	106	1102	351	114			
15	37.7	1612	335	98	1484	354	109	1365	376	116			
20	**43.0**	**1786**	**334**	**100**	**1653**	**368**	**110**	**1525**	**393**	**117**			
25	48.8	1938	360	102	1800	382	110	1653	405	119	1500	423	127
30	54.8	2116	380	106	1976	403	114	1824	425	122	1661	443	131
35	61.5	2324	403	110	2161	425	118	1997	444	126	1832	464	134
40	68.5	2512	426	114	2352	447	121	2186	463	130	2014	485	137
45	76.0	2680	449	117	2548	469	126	2390	482	134	2206	507	141

40°F return gas below 20°F evaporator, 65°F return gas above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**33X441-2**	Condenser	50733-G04
Unit MODEL	**AEA9415EXAGL**	Shroud	
		Fan Guard	116-003P
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	150	Replacement Fan Motor	6W115
Design Pressure High	350	F. M., blade, guard assy	YFBG-106
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	5.79	Electrical Diagram	DEAE-10
Max. Fuse Size	15	Unit Drawing	DGBU-042
Compressor MODEL	AEA9415EXA	**Unit BOM**	**33X441-3**
Compressor BOM	AE162AR-909-A2	**Unit MODEL**	**AEA9415EXAGK**
Compressor LRA	29	Power Cord	85106-10
Compressor RLA	4.3	Unit Drawing	DGBU-042
OverLoad	8300MRPD19	**Unit BOM**	**33X441-4**
Relay	82420	**Unit MODEL**	**AEA9415EXAGB**
Run Capacitor		Receiver	51085-1H
Run Capacitor Rating		Unit Drawing	DGBU-042R
Start Capacitor	85PS110C76		
Start Capacitor Rating	243-292MFD / 110V	**Unit BOM**	**33X441-5**
		Unit MODEL	**AEA9415EXAGC**
Fan Motor	NUT6B06ZUN301	Receiver /w Liq Valve	51085-1HV
Fan Motor RLA	0.41	Suction Valve	56580-1
Fan Blade	4VEA009	Unit Drawing	DGBU-042V